



PATENT
Attorney Docket No.: WNET-00300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Moshe Nattiv *et al.*

Serial No.: 09/158,794 ⁷⁶⁴

Filed: September 23, 1998

For: **METHOD AND APPARATUS FOR
BASEBAND TRANSMISSION
BETWEEN A TOP FLOOR UNIT
AND AN OUTDOOR UNIT IN A
TERMINAL FOR A WIRELESS
METROPOLITAN AREA
NETWORK**

) Group Art Unit: 2731

) Examiner:

) **TRANSMITTAL LETTER**

) 260 Sheridan Avenue, Suite 420
) Palo Alto, CA 94306
) (650) 833-0160

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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, Group 2700 including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

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Respectfully submitted,

HAVERSTOCK & OWENS LLP

Dated: 5-10-99

By: Thomas B. Haverstock

Thomas B. Haverstock

Reg. No.: 32,571

Attorneys for Applicants

CERTIFICATE OF MAILING (37 CFR § 1.8(a))

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington D.C. 20231

HAVERSTOCK & OWENS LLP

Date: 5/10/99

By: [Signature]



PATENT
Attorney Docket No.: WNET-00300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Moshe Nattiv *et al.*

Serial No.: 09/158,764

Filed: September 23, 1998

For: **METHOD AND APPARATUS FOR
BASEBAND TRANSMISSION
BETWEEN A TOP FLOOR UNIT
AND AN OUTDOOR UNIT IN A
TERMINAL FOR A WIRELESS
METROPOLITAN AREA
NETWORK**

) Group Art Unit: 2731

) Examiner:

) INFORMATION DISCLOSURE

) STATEMENT

) 260 Sheridan Avenue, Suite 420

) Palo Alto, California 94306

) (650)833-0160

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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

Applicants have become aware of the following printed publications which may be material to the examination of this application:

- 3,564,144;
- 3,988,545;
- 4,731,785;
- 4,876,742;
- 4,893,340;

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HAVERSTOCK & OWENS LLP

Date: 5/19/99 By: [Signature]

- 5,050,166;
- 5,119,226;
- 5,159,592;
- 5,220,678;
- 5,276,703;
- 5,307,348;
- 5,436,902;
- 5,442,633;
- 5,475,681;
- 5,519,691;
- 5,563,728;
- 5,563,889;
- 2 306 278 A;
- WO 94/27382;
- "Design of A Selective FEC Subsystem to Counteract Rain Fading in Ku-Band TDMA Systems," G. McMillen, B. Mazur and T. Abdel-Nabi, International Journal of Satellite Communications, Vol. 4, pp. 75-82, 1986;
- "Frequency Diversity and Its Applications," F. Carassa, G. Tartara and E. Matricciani, International Journal of Satellite Communications, Vol. 6, pp. 313-322, 1988;
- "Up-Link Power Control of Satellite Earth-Stations As A Fade Countermeasure of 20/30 GHz Communications Systems," J. Hörle, International Journal of Satellite Communications, Vol. 6, pp. 323-330, 1988;
- "A Technique for Estimating the Throughput of Adaptive TDMA Fade Countermeasure Systems," S. Barton and S. Dinwiddy, International Journal of Satellite Communications, Vol. 6, pp. 331-341, 1988;
- "Fade Countermeasures At K_a Band for Olympus," M. Willis and B. Evans, International Journal of Satellite Communications, Vol. 6, pp. 301-311, 1988;

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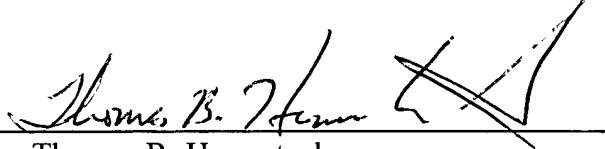
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- "A Unified Statistical Rain-Attenuation Model for Communication Link Fade Predictions and Optimal Stochastic Fade Control Design Using A Location-Dependent Rain-Statistics Database," Robert Manning, International Journal of Satellite Communications, Vol. 8, pp. 11-30, 1990;
- "Adaptive Modulation As A Fade Countermeasure. An Olympus Experiment," M. Filip and E. Vilar, International Journal of Satellite Communications, Vol. 8, pp. 31-41, 1990;
- Radiowave Propagation in Satellite Communications, Louis J. Ippolito, Jr., Van Nostrand Reinhold Company 1986, pp. 42-57 and 64-92;
- Digital Communications, John G. Proakis, Mc Graw-Hill, Third Edition, 1990, pp. 278-285;
- CDMA Principles of Spread Spectrum Communication, Andrew J. Viterbi, Addison-Wesley Wireless Communications Series, 1995, pp. 155-168; and
- Information on Giganet Ltd., the Microwave FiberTM company, displayed at www.giganet-corp.com, April 21, 1998.

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that anyone or more of these citations constitutes prior art.

Respectfully submitted,
HAVERSTOCK & OWENS LLP

Dated: May 5, 1999

By: 
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Attorneys for Applicants